

<b>L Number</b>	<b>Hits</b>	<b>Search Text</b>	<b>DB</b>	<b>Time stamp</b>
<b>1</b>	<b>78</b>	<b>((copper cu mn manganese) near2 (Sb antimony)) and (phase adj diagram)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 08:44</b>
-	<b>12</b>	<b>Cu2Sb</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/09 15:01</b>
-	<b>6</b>	<b>Cu".sub.2"Sb</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/09 15:02</b>
-	<b>8</b>	<b>(Cu".sub."2) near Sb</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/09 15:03</b>
-	<b>26</b>	<b>Cu2Sb or Cu".sub.2"Sb or ((Cu".sub."2) near Sb)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/09 15:03</b>
-	<b>7</b>	<b>(Cu2Sb or Cu".sub.2"Sb or ((Cu".sub."2) near Sb)) and battery</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/09 16:07</b>
-	<b>13807</b>	<b>(copper cu mn manganese) near2 (Sb antimony)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/09 16:08</b>
-	<b>2559</b>	<b>((copper cu mn manganese) near2 (Sb antimony)) same (alloy alloyed alloying)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/09 16:08</b>
-	<b>26</b>	<b>((copper cu mn manganese) near2 (Sb antimony)) same (alloy alloyed alloying)) and (phase adj diagram)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 08:43</b>

<b>L Number</b>	<b>Hits</b>	<b>Search Text</b>	<b>DB</b>	<b>Time stamp</b>
<b>1</b>	<b>33</b>	<b>Cu2As Cu2P</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 12:10</b>
<b>2</b>	<b>196</b>	<b>copper near2 phosphide</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 12:10</b>
<b>3</b>	<b>204</b>	<b>copper near2 arsenide</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 12:11</b>
<b>4</b>	<b>389</b>	<b>(copper near2 arsenide) or (copper near2 phosphide)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 12:11</b>
<b>5</b>	<b>76</b>	<b>((copper near2 arsenide) or (copper near2 phosphide)) and electrode</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 12:16</b>
<b>6</b>	<b>26844</b>	<b>(phosphide arsenide phosphorous arsenic) and (lithium li)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 12:16</b>
<b>7</b>	<b>4682</b>	<b>((phosphide arsenide phosphorous arsenic) and (lithium li)) and electrode</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 12:17</b>
<b>8</b>	<b>5294</b>	<b>((phosphide arsenide phosphorous arsenic) and (lithium li)) and electrode</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 12:17</b>
<b>9</b>	<b>381</b>	<b>((((phosphide arsenide phosphorous arsenic) and (lithium li)) and electrode) and nonaqueous</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 12:19</b>
<b>10</b>	<b>141</b>	<b>(((((phosphide arsenide phosphorous arsenic) and (lithium li)) and electrode) and nonaqueous) and (INTERCALAT\$4)</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 12:43</b>
<b>11</b>	<b>49</b>	<b>Fe".sub."2 near As</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 12:48</b>
<b>12</b>	<b>64</b>	<b>Cr".sub."2 near As</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 12:55</b>
<b>13</b>	<b>2</b>	<b>LiFeAs</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 12:56</b>

<b>14</b>	<b>1</b>	<b>LiFeP</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 12:56</b>
<b>15</b>	<b>2</b>	<b>LiCoAs</b>	<b>USPAT; US-PGPUB; EPO; JPO; DERWENT</b>	<b>2004/08/10 12:57</b>

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YOU HAVE REQUESTED DATA FROM 4 ANSWERS - CONTINUE? Y/(N):y

L8 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2000:384637 CAPLUS

DOCUMENT NUMBER: 133:7095

TITLE: Non-aqueous electrolyte secondary battery  
with improved anodeINVENTOR(S): Kasamatsu, Shinji; Yoshizawa, Hiroshi; Okamura,  
Kazuhiro; Koshina, Hizuru; Shimamura, Harunari; Nitta,  
Yoshiaki

PATENT ASSIGNEE(S): Matsushita Electric Industrial Co., Ltd., Japan

SOURCE: PCT Int. Appl., 71 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000033401	A1	20000608	WO 1999-JP6687	19991130
W: US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 2000173583	A2	20000623	JP 1998-342881	19981202
JP 2000173584	A2	20000623	JP 1998-342882	19981202
JP 2000173585	A2	20000623	JP 1998-342883	19981202
JP 2000173586	A2	20000623	JP 1998-342884	19981202
JP 2000173659	A2	20000623	JP 1998-342895	19981202
JP 2000173660	A2	20000623	JP 1998-342896	19981202
JP 2000173661	A2	20000623	JP 1998-342897	19981202
JP 2000173662	A2	20000623	JP 1998-342898	19981202
JP 2000173615	A2	20000623	JP 1998-342899	19981202
JP 2000173616	A2	20000623	JP 1998-342900	19981202
JP 2000173609	A2	20000623	JP 1998-342901	19981202
JP 2000173610	A2	20000623	JP 1998-342902	19981202
JP 2000173593	A2	20000623	JP 1998-342905	19981202
JP 2000173594	A2	20000623	JP 1998-342906	19981202
EP 1052712	A1	20001115	EP 1999-973175	19991130
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 6605386	B1	20030812	US 2000-601224	20000918
PRIORITY APPLN. INFO.:				
			JP 1998-342881	A 19981202
			JP 1998-342882	A 19981202
			JP 1998-342883	A 19981202
			JP 1998-342884	A 19981202
			JP 1998-342895	A 19981202
			JP 1998-342896	A 19981202

JP 1998-342897	A	19981202
JP 1998-342898	A	19981202
JP 1998-342899	A	19981202
JP 1998-342900	A	19981202
JP 1998-342901	A	19981202
JP 1998-342902	A	19981202
JP 1998-342905	A	19981202
JP 1998-342906	A	19981202
WO 1999-JP6687	W	19991130

AB The nonaq. electrolyte secondary **battery** comprising pos. and neg. plates capable of absorbing/releasing Li; a nonaq. electrolyte; and a separator; or solid electrolyte, is characterized in that the neg. plate is made chiefly of composite particles of which at least part of the core particles containing  $\geq 1$  kind among Sn, Si, and Zn as a constituent element are coated with a solid solution or an intermetallic compound consisting of the constituent element constituting the core particles and a specific element except the constituent element and in that the porosity of the neg. plate mixture layer lies between 10% and 50%. Internal short-circuit between the pos. and neg. plates due to expansion of the neg. plate material can be prevented, the capacity is high, the charging/discharging characteristics are excellent, and rapid charging is possible by adopting the above structure or a structure in which further the amount of nonaq. electrolyte and the thickness of the separator are specified.

IT **Battery anodes**

**Battery electrolytes**

Secondary **batteries**

Secondary **battery** separators

Short circuits (electrical apparatus)

Solid electrolytes

Solid solutions

Solid state secondary **batteries**

(non-aqueous electrolyte secondary **battery** with improved anode)

IT Intermetallic compounds

RL: DEV (Device component use); NUU (Other use, unclassified); USES (Uses)

(non-aqueous electrolyte secondary **battery** with improved anode)

IT 1302-09-6, Silver selenide (Ag<sub>2</sub>Se) 1304-76-3, Bismuth oxide (Bi<sub>2</sub>O<sub>3</sub>),  
uses 1304-82-1, Bismuth telluride (Bi<sub>2</sub>Te<sub>3</sub>) 1307-96-6, Cobaltous oxide,  
uses 1308-04-9, Cobalt oxide (Co<sub>2</sub>O<sub>3</sub>) 1308-06-1, Cobalt oxide (Co<sub>3</sub>O<sub>4</sub>)  
1308-38-9, Chromium oxide (Cr<sub>2</sub>O<sub>3</sub>), uses 1309-64-4, Antimony oxide  
(Sb<sub>2</sub>O<sub>3</sub>), uses 1313-13-9, Manganese oxide (MnO<sub>2</sub>), uses 1313-99-1,  
Nickel oxide (NiO), uses 1314-06-3, Nickel oxide (Ni<sub>2</sub>O<sub>3</sub>) 1314-87-0,  
Lead sulfide (PbS) 1314-91-6, Lead telluride (PbTe) 1315-04-4,  
Antimony sulfide (Sb<sub>2</sub>S<sub>5</sub>) 1315-05-5, Antimony selenide (Sb<sub>2</sub>Se<sub>3</sub>)  
1317-33-5, Molybdenum disulfide, uses 1317-36-8, Lead oxide (PbO), uses  
1317-37-9, Iron sulfide (FeS) 1317-38-0, Cupric oxide, uses 1317-39-1,  
Cuprous oxide, uses 1317-40-4, Copper sulfide (CuS) 1317-41-5, Copper  
selenide (CuSe) 1317-42-6, Cobalt sulfide (CoS) 1327-50-0, Antimony  
telluride (Sb<sub>2</sub>Te<sub>3</sub>) 1332-71-4, Cobalt sulfide (Co<sub>2</sub>S<sub>3</sub>) 1345-04-6,  
Antimony sulfide (Sb<sub>2</sub>S<sub>3</sub>) 1345-07-9, Bismuth sulfide (Bi<sub>2</sub>S<sub>3</sub>) 7439-93-2,

Lithium, uses 7440-21-3, Silicon, uses 7440-31-5, Tin, uses 7440-66-6, Zinc, uses 12002-99-2, Silver telluride (Ag<sub>2</sub>Te) 12015-75-7, Cobalt sulfide (CoS<sub>2</sub>) 12018-06-3, Chromium sulfide (CrS) 12018-22-3, Chromium sulfide (Cr<sub>2</sub>S<sub>3</sub>) 12019-23-7, Copper telluride (CuTe) 12019-52-2, Copper telluride (Cu<sub>2</sub>Te) 12033-33-9, Molybdenum sulfide (MoS<sub>2</sub>) 12053-36-0, Chromium selenide (Cr<sub>2</sub>Se<sub>3</sub>) 12059-17-5, Nickel telluride (NiTe<sub>2</sub>) 12063-27-3, Iron sulfide (FeS<sub>2</sub>) 12068-69-8, Bismuth selenide (Bi<sub>2</sub>Se<sub>3</sub>) 12068-85-8, Iron sulfide (FeS) 12069-00-0, Lead selenide (PbSe) 12125-23-4, Manganese sulfide (MnS<sub>2</sub>) 12137-08-5, Nickel sulfide (NiS) 12137-12-1, Nickel sulfide (Ni<sub>3</sub>S<sub>4</sub>) 12142-88-0, Nickel telluride (NiTe) 12186-44-6, Iron oxide (FeO<sub>4</sub>) 12359-48-7, Antimony sulfide (Sb<sub>2</sub>S<sub>4</sub>) 12526-66-8, Cobalt selenide (Co<sub>3</sub>Se<sub>4</sub>) 16812-54-7, Nickel sulfide (NiS) 18820-29-6, Manganese sulfide (MnS) 20405-64-5, Copper selenide (Cu<sub>2</sub>Se) 20667-12-3, Silver oxide (Ag<sub>2</sub>O) 21548-73-2, Silver sulfide (Ag<sub>2</sub>S) 22205-45-4, Copper sulfide (Cu<sub>2</sub>S) 39380-32-0, Manganese sulfide (Mn<sub>3</sub>S<sub>4</sub>) 51311-17-2, Carbon fluoride 65589-65-3, Cobalt selenide (Co<sub>2</sub>Se<sub>3</sub>) 161959-94-0, Antimony selenide (Sb<sub>2</sub>Se<sub>5</sub>)

RL: DEV (Device component use); NUU (Other use, unclassified); USES (Uses) (non-aqueous electrolyte secondary **battery** with improved anode)

REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2000:313633 CAPLUS

DOCUMENT NUMBER: 132:296154

TITLE: Secondary nonaqueous electrolyte **batteries**

INVENTOR(S): Watanabe, Shoichiro; Fujiwara, Takafumi; Kobayashi, Shigeo

PATENT ASSIGNEE(S): Matsushita Electric Industrial Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2000133247	A2	20000512	JP 1998-300550	19981022
PRIORITY APPLN. INFO.:			JP 1998-300550	19981022

AB The **batteries** have a Li intercalating cathode, an anode, and an electrolyte impregnated separator or a solid electrolyte between the electrodes; where the anode active mass contains a compound that electrochem. reduced to form a metal when charging the **battery**. The anode is preferably a Li intercalating carbonaceous material and the compound is a metal sulfide, selenide, and/or telluride.

IT **Battery** anodes

(carbonaceous anodes containing metal chalcogenides for secondary lithium **batteries**)

IT Carbonaceous materials (technological products)  
RL: DEV (Device component use); USES (Uses)  
(carbonaceous anodes containing metal chalcogenides for secondary lithium  
batteries)

IT 1302-09-6, Silver selenide (Ag<sub>2</sub>Se) 1304-82-1, Bismuth telluride (Bi<sub>2</sub>Te<sub>3</sub>)  
1314-87-0, Lead sulfide (PbS) 1314-91-6, Lead telluride (PbTe)  
1315-04-4, Antimony sulfide (Sb<sub>2</sub>S<sub>5</sub>) 1315-05-5, Antimony selenide  
(Sb<sub>2</sub>Se<sub>3</sub>) 1317-33-5, Molybdenum sulfide (MoS<sub>2</sub>), uses 1317-37-9, Iron  
sulfide (FeS) 1317-40-4, Cupric sulfide 1317-41-5, Cupric selenide  
1317-42-6, Cobalt sulfide (CoS) 1327-50-0, Antimony telluride (Sb<sub>2</sub>Te<sub>3</sub>)  
1332-71-4, Cobalt sulfide (Co<sub>2</sub>S<sub>3</sub>) 1345-04-6, Antimony sulfide (Sb<sub>2</sub>S<sub>3</sub>)  
1345-07-9, Bismuth sulfide (Bi<sub>2</sub>S<sub>3</sub>) 11089-54-6, Nickel telluride (Ni<sub>2</sub>Te)  
12002-99-2, Silver telluride (Ag<sub>2</sub>Te) 12015-75-7, Cobalt sulfide (Co<sub>3</sub>S<sub>4</sub>)  
12018-06-3, Chromium sulfide (CrS) 12018-22-3, Chromium sulfide (Cr<sub>2</sub>S<sub>3</sub>)  
12019-23-7, Copper telluride (CuTe) 12019-52-2, Copper telluride  
(Cu<sub>2</sub>Te) 12053-36-0, Chromium selenide (Cr<sub>2</sub>Se<sub>3</sub>) 12063-27-3, Iron  
sulfide (Fe<sub>2</sub>S<sub>3</sub>) 12068-69-8, Bismuth selenide (Bi<sub>2</sub>Se<sub>3</sub>) 12068-85-8, Iron  
sulfide (FeS<sub>2</sub>) 12069-00-0, Lead selenide (PbSe) 12125-23-4, Manganese  
sulfide (MnS<sub>2</sub>) 12137-08-5, Nickel sulfide (Ni<sub>2</sub>S) 12137-12-1, Nickel  
sulfide (Ni<sub>3</sub>S<sub>4</sub>) 12142-88-0, Nickel telluride (NiTe) 12359-48-7,  
Antimony sulfide (Sb<sub>2</sub>S<sub>4</sub>) 12526-66-8, Cobalt selenide (Co<sub>3</sub>Se<sub>4</sub>)  
16812-54-7, Nickel sulfide (NiS) 18820-29-6, Manganese sulfide (MnS)  
20405-64-5, Cuprous selenide 21548-73-2, Silver sulfide (Ag<sub>2</sub>S)  
22205-45-4, Cuprous sulfide 39380-32-0, Manganese sulfide (Mn<sub>3</sub>S<sub>4</sub>)  
65589-65-3, Cobalt selenide (Co<sub>2</sub>Se<sub>3</sub>) 161959-94-0, Antimony selenide  
(Sb<sub>2</sub>Se<sub>5</sub>)  
RL: MOA (Modifier or additive use); USES (Uses)  
(carbonaceous anodes containing metal chalcogenides for secondary lithium  
batteries)

L8 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1995:410542 CAPLUS  
DOCUMENT NUMBER: 122:165510  
TITLE: Secondary solid state lithium **batteries**  
INVENTOR(S): Takada, Kazunori; Iwamoto, Kazuya; Aotani, Noboru;  
Kondo, Shigeo  
PATENT ASSIGNEE(S): Matsushita Electric Ind Co Ltd, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06275312	A2	19940930	JP 1993-87985	19930322
PRIORITY APPLN. INFO.:			JP 1993-87985	19930322

AB The **batteries** use Li<sup>+</sup> conductive solid electrolytes and Cu  
chalcogenide cathodes. The chalcogenide may be Cu<sub>2</sub>S, Cu<sub>2</sub>Se, Cu<sub>2</sub>Te and

their derivs. and the cathodes may also contain Li chalcogenides and the electrolyte. These **batteries** are suitable for high rate charge and discharge.

IT **Batteries**, secondary

(secondary lithium **batteries** with copper chalcogenide cathodes and lithium ion conductive solid electrolytes)

IT **Battery** electrolytes

(secondary lithium **batteries** with lithium ion conductive solid electrolytes)

IT Cathodes

(**battery**, secondary solid state lithium **batteries** with cathodes containing copper and chalcogens)

IT 161286-52-8, Lithium sulfide thiosilicate ( $\text{Li}_{1.2}\text{S}_{0.2}(\text{SiS}_3)_{0.4}$ )

161286-53-9, Lithium phosphenotriithioate sulfide ( $\text{Li}_{1.2}(\text{PS}_3)_{0.8}\text{S}_{0.2}$ )

161286-54-0, Lithium phosphate sulfide thiosilicate

( $\text{Li}_{1.24}(\text{PO}_4)_{0.02}\text{S}_{0.2}(\text{SiS}_3)_{0.39}$ ) 161487-41-8, Lithium iodide thiosilicate

( $\text{Li}_{10.3}(\text{SiS}_3)_{0.35}$ )

RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)

(secondary lithium **batteries** with lithium ion conductive solid electrolytes)

IT 7440-50-8, Copper, uses 7704-34-9, Sulfur, uses 7782-49-2, Selenium, uses

RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)

(secondary solid state lithium **batteries** with cathodes containing copper and chalcogens)

IT 12019-52-2, Cuprous telluride 12345-69-6, Chromium copper

sulfide ( $\text{CrCuS}_2$ ) 20405-64-5, Cuprous selenide 22205-45-4, Cuprous sulfide

RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)

(secondary solid state lithium **batteries** with copper chalcogenide cathodes)

L8 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1977:147647 CAPLUS

DOCUMENT NUMBER: 86:147647

TITLE: Solid-state ionics-solid electrolyte cells with copper ion conductors

AUTHOR(S): Takahashi, T.; Yamamoto, O.

CORPORATE SOURCE: Fac. Eng., Nagoya Univ., Nagoya, Japan

SOURCE: Journal of Applied Electrochemistry (1977), 7(1), 37-43

CODEN: JAELBJ; ISSN: 0021-891X

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A solid electrolyte cell was developed using a high Cu ion conducting solid electrolyte,  $7\text{CuBr}\cdot\text{C}_6\text{H}_{12}\text{N}_4\text{CH}_3\text{Br}$  (N-methylhexamethylenetetraminium bromide), a Cu anode, and a chalcogen



cathode. The open-circuit voltages of the cells with S, Se, and Te as cathodes were 0.448, 0.373, and 0.258 V, resp. at 25°. These cells yielded a current of several tens of  $\mu\text{A}$  at room temperature and several mA at 114° without appreciable polarization. An energy d. of 4.5 Wh kg<sup>-1</sup> at room temperature was evaluated from the wts. of the electrolyte and electrode materials for the cell using a Se-cathode in the discharge c.d. range 60-150  $\mu\text{A cm}^{-2}$ .

IT Group VIA elements

RL: USES (Uses)

(cathodes, in cell with copper anode and copper methylhexamethylenetetraminium bromide electrolyte)

IT Batteries, primary

(copper-chalcogenide, with copper-methylhexamethylenetetraminium bromide electrolyte)

IT Heat of formation

(of copper chalcogenides)

IT Electric conductivity and conduction

(of copper methylhexamethylenetetraminium bromide electrolyte)

IT Electric potential

(of copper-chalcogen cell with copper methylhexamethylenetetraminium bromide electrolyte, thermodyn. in relation to)

IT Electrolytic polarization

(of copper-chalcogenide cell with copper methylhexamethylenetetraminium bromide electrolyte)

IT Entropy

(of formation, of copper chalcogenides)

IT 7440-50-8, uses and miscellaneous

RL: USES (Uses)

(anode, in cell with chalcogen cathode and copper-methylhexamethylenetetraminium bromide electrolyte)

IT 7704-34-9, uses and miscellaneous 7782-49-2, uses and miscellaneous

13494-80-9, uses and miscellaneous

RL: USES (Uses)

(cathodes, in cell with copper anode and copper methylhexamethylenetetraminium bromide electrolyte)

IT 57384-10-8

RL: PRP (Properties)

(electrolyte, for cells with chalcogen cathodes and copper anode)

IT 12019-52-2 20405-64-5 22205-45-4

RL: PRP (Properties)

(thermodyn. of, elec. potential in relation to)

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(FILE 'HOME' ENTERED AT 12:59:09 ON 10 AUG 2004)

FILE 'REGISTRY' ENTERED AT 12:59:14 ON 10 AUG 2004

	E ASFE2/MF
L1	1 S E3
	E ASCR2/MF
L2	1 S E3
	E CU4TE2/MF
	E CU2TE/MF
L3	2 S E3
	E ASFELI/MF
	E ASFE/MF
L4	4 S E3-4
	E FEP/MF
L5	1 S E5
	E ASCO/MF
L6	1 S E4

FILE 'CAPLUS' ENTERED AT 13:04:12 ON 10 AUG 2004

L7	647 S L1-L6
L8	4 S L7 AND BATTER###



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